



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

Site:	<i>Carrier</i>
Break:	
Other:	

DATE: NOV 17 1989

SUBJECT: Review of the Revised Work Plan and Sampling Plan for the Remedial Investigation (RI) / Feasibility Study (FS) at the Carrier Corporation's Collierville Site, Collierville, Tennessee

FROM: Rich Muza, Regional Hydrologist *RE Muza*
Ground-Water Technology Unit

TO: Felicia Barnett, Project Manager
KY/TN Unit, Superfund Branch

THRU: Rutherford B. Hayes, Chief *RB Hayes*
Ground-Water Technology Unit

The subject work plan and sampling plan have been reviewed as per your request of November 6, 1989 with a major regard to the incorporation of the recommendations and comments presented in our memorandum of September 22, 1989. We acknowledge that the majority of our previous recommendations and comments were addressed in the revised plans. However, we still have some concerns and address these below.

COMMENT ON THE REVISED WORK PLAN

1. Figure 10 -- We remain concerned that additional monitor wells are not proposed between the former surface impoundment and the City of Collierville wells. Trace levels of trichloroethylene have been detected in the municipal wells that may have migrated from the site. Monitor wells MW-19 and MW-21 are contaminated with chlorinated hydrocarbons. These monitor wells are located less than 200 feet from the East Well of the well field. The nature and extent of ground-water contamination in this area should be defined in the RI [40 CFR 300.68(e)(2)(xi)]. Therefore, we recommend that additional monitor wells be located between the surface impoundment and the two municipal wells and that the municipal wells be resampled, if possible.



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COMMENT OF THE REVISED SAMPLING PLAN

1. Figure 8 -- The monitor wells are to be constructed of stainless steel well screens and galvanized steel risers. This practice should be avoided. The coupling of these two different metals under saturated conditions will lead to bi-metallic corrosion. This corrosion can damage the well screens and impair future sample collection. Such corrosion can also cause false positive results for metals. We recommend that stainless steel be used as the construction material for the monitor wells.

Hopefully, these comments and recommendations will be helpful in finalizing the Work Plan and Sampling Plan for the Carrier Corporation's Collierville Site. If you should have any questions, please contact me at x3866.